

CLAIMS

WHAT IS CLAIMED

1. A patient-positioning device comprising:

a main portion having

a first side configured to support a portion of a patient's body, and

a second side configured to rest on a surface; and

5 a hanging tab extending from the main portion.

2. The patient-positioning device of claim 1, wherein the patient-positioning device is reusable.

3. The patient-positioning device of claim 1, wherein the main portion is a block of resilient material.

10 4. The patient-positioning device of claim 3, wherein the resilient material is high-density, closed-cell foam.

5. The patient-positioning device of claim 1, wherein the main portion is encapsulated by a substantially impermeable cover.

15 6. The patient-positioning device of claim 5, wherein the substantially impermeable cover is constructed of vinyl.

7. The patient-positioning device of claim 6, wherein the vinyl is latex-free and contains antimicrobial agents to help prevent the growth of bacteria on the patient-positioning device.

20 8. The patient-positioning device of claim 5, wherein the hanging tab is integrally molded to the substantially impermeable cover.

9. The patient-positioning device of claim 5, wherein the substantially impermeable cover includes a first portion connected to a second portion via a seal, the seal having a width equal to or greater than approximately 0.12 inches in order to help prevent contaminants from being trapped in the seal.

10. The patient-positioning device of claim 5, wherein the substantially impermeable cover is imprinted with a label including at least one of (a) an intended use for the patient-positioning device, (b) a part number for reordering the patient-positioning device, and (c) a date on which the patient-positioning device was manufactured.

11. The patient-positioning device of claim 5, wherein the substantially impermeable cover is a bright color in order to help prevent against unintentional disposal.

12. The patient-positioning device of claim 1, wherein:
the first side of the main portion is contoured to support a portion of a patient's arm; and
a circular aperture configured to receive a patient's elbow is formed through the main portion.

13. The patient-positioning device of claim 1, wherein:
the main portion includes a medial portion, a first lateral support connected to the medial portion via a first offset portion, and a second lateral support connected to the medial portion via a second offset portion;
the first side of the main portion is contoured to support the lower calf and heel portions of a patient's leg; and
a circular aperture configured to receive a patient's heel is formed through the medial portion.

14. The patient-positioning device of claim 13, wherein a substantially impermeable cover encapsulates the medial portion, the first lateral support, and the second lateral support.

15. The patient-positioning device of claim 14, wherein the first offset portion and the second offset portion are each constructed of a sheet of substantially impermeable material.

16. The patient-positioning device of claim 14, wherein the hanging tab is integrally molded to the substantially impermeable cover on one of a side opposite to the first offset portion of the first lateral support and a side opposite to the second offset portion of the second lateral support.

- 5 17. The patient-positioning device of claim 13, and further comprising a securement strap connected to one of the first lateral support and the second lateral support and releasably coupleable to the other of the first lateral support and the second lateral support in order to secure the patient's heel within the circular aperture in the medial portion and in order to secure the first lateral support and the second
- 10 lateral support around the lower calf and heel portions of the patient's leg.

18. A patient-positioning device system comprising:
a plurality of patient-positioning devices, each one of the plurality of patient-positioning devices including
a main portion having
5 a first side configured to support a portion of a patient's body;
and
a second side configured to rest on a surface; and
a storage rack from which each one of the plurality of patient-positioning devices can be hung.

10 19. The patient-positioning device system of claim 18, wherein each one of the plurality of patient-positioning devices is reusable.

20. The patient-positioning device system of claim 18, and further comprising a hanging tab extending from each one of the patient-positioning devices.

15 21. The patient-positioning device system of claim 18, wherein the main portion is a block of resilient material.

22. The patient-positioning device of claim 21, wherein the resilient material is high-density, closed-cell foam.

23. The patient-positioning device system of claim 18, wherein the main portion is encapsulated by a substantially impermeable cover.

20 24. The patient-positioning device of claim 23, wherein the substantially impermeable cover is constructed of vinyl.

25. The patient-positioning device of claim 24, wherein the vinyl is latex-free and contains antimicrobial agents to help prevent the growth of bacteria on the patient-positioning device.

26. The patient-positioning device system of claim 23, wherein the substantially impermeable cover includes a first portion connected to a second portion via a seal, the seal having a width equal to or greater than approximately 0.12 inches in order to help prevent contaminants from being trapped in the seal.

5 27. The patient-positioning device system of claim 23, wherein the substantially impermeable cover is imprinted with a label including at least a one of (a) an intended use for the patient-positioning device, (b) a part number for reordering the patient-positioning device, and (c) a date on which the patient-positioning device was manufactured.

10 28. The patient-positioning device system of claim 23, wherein the substantially impermeable cover is a bright color in order to help prevent against unintentional disposal.

29. The patient-positioning device system of claim 23, wherein a hanging tab is integrally molded to the substantially impermeable cover.

15 30. The patient-positioning device system of claim 18, wherein the plurality of positioning devices includes at least two of a seven-inch bagel, a nine-inch bagel, a non-slotted head positioner, a slotted head positioner, an elbow protector, a heel protector, and a chest roll.

20 31. The patient-positioning device system of claim 18, wherein:
the plurality of patient-positioning devices includes an elbow protector;
the first side of the main portion of the elbow protector is contoured to support a portion of a patient's arm; and
a circular aperture configured to receive a patient's elbow is formed through the main portion of the elbow protector.

32. The patient-positioning device system of claim 18, wherein:
the plurality of patient-positioning devices includes a heel protector;
the main portion of the heel protector includes a medial portion, a first lateral
support connected to the medial portion via a first offset portion, and a second lateral
support connected to the medial portion via a second offset portion;
the first side of the main portion of the heel protector is contoured to support
the lower calf and heel portions of a patient's leg; and
a circular aperture configured to receive a patient's heel is formed through the
medial portion.

33. The patient-positioning device system of claim 32, wherein a
substantially impermeable cover encapsulates the medial portion, the first lateral
support, and the second lateral support.

34. The patient-positioning device system of claim 33, wherein the first
offset portion and the second offset portion are each constructed of a sheet of
substantially impermeable material.

35. The patient-positioning device system of claim 33, wherein a hanging
tab is integrally molded to the substantially impermeable cover on one of a side
opposite to the first offset portion of the first lateral support and a side opposite to the
second offset portion of the second lateral support.

36. The patient-positioning device system of claim 32, and further
comprising a securement strap connected to one of the first lateral support and the
second lateral support and releasably coupleable to the other of the first lateral support
and the second lateral support in order to secure the patient's heel within the circular
aperture in the medial portion and in order to secure the first lateral support and the
second lateral support around the lower calf and heel portions of a patient's leg.

37. The patient-positioning device system of claim 18, and further
comprising a disposable protective cover positionable over each one of the plurality of
patient-positioning devices.

38. The patient-positioning device system of claim 37, wherein the disposable protective cover is an open-ended sleeve of fabric so that each one of the patient-positioning devices can be slid into and out of the fabric cover.

5 39. The patient-positioning device system of claim 18, wherein the storage rack is comprised of a base member mountable to a wall and a plurality of prongs connected to the base member, and each one of the plurality of patient-positioning devices can be hung on each one of the plurality of prongs.

10 40. The patient-positioning device system of claim 39, wherein each one of the plurality of patient-positioning devices includes a hanging tab, and each one of the plurality of patient-positioning devices can be hung on each one of the plurality of prongs via the hanging tab.

15 41. The patient-positioning device system of claim 39, wherein the storage rack includes a label including at least one of (a) a description of each one of the plurality of positioning devices, and (b) part numbers for reordering each one of the patient-positioning devices.

42. A method of using a patient-positioning device system to support a portion of a patient's body during a medical procedure, the method comprising:

providing a plurality of patient-positioning devices, each one of the plurality of patient-positioning devices including a hanging tab;

5 providing a storage rack from which each one of the plurality of patient-positioning devices are hung via the hanging tab;

removing at least one of the plurality of patient-positioning devices from the storage rack;

10 positioning the at least one of the plurality of patient-positioning devices under the portion of the patient's body;

removing the at least one of the plurality of patient-positioning devices from under the portion of the patient's body once the medical procedure is completed; and

hanging the at least one of the plurality of patient-positioning devices on the storage rack via the hanging tab.

15 43. The method of claim 42, and further comprising reusing the at least one of the plurality of patient-positioning devices in subsequent medical procedures.

20 44. The method of claim 42, wherein providing a plurality of patient-positioning devices includes providing at least two of a seven inch bagel, a nine inch bagel, a non-slotted head positioner, a slotted head positioner, an elbow protector, a heel protector, and a chest roll.

45. The method of claim 42, and further comprising positioning the at least one of the plurality of patient-positioning devices within a disposable protective cover before positioning the at least one of the plurality of positioning devices under the portion of the patient's body.